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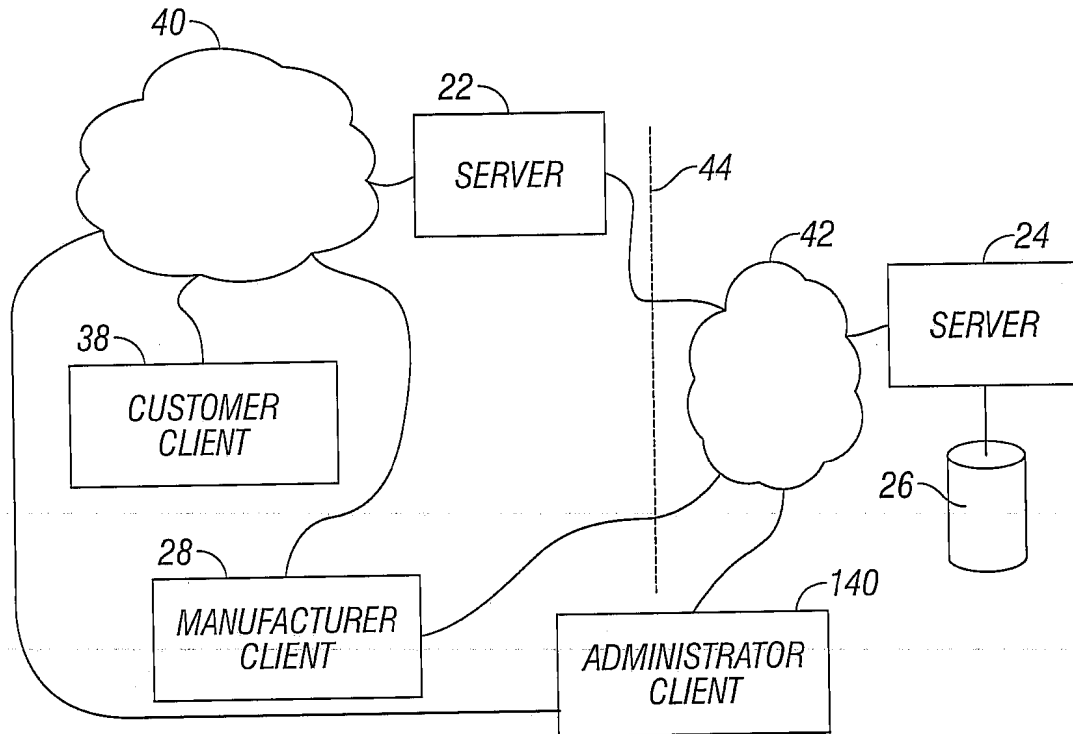


FIG. 1

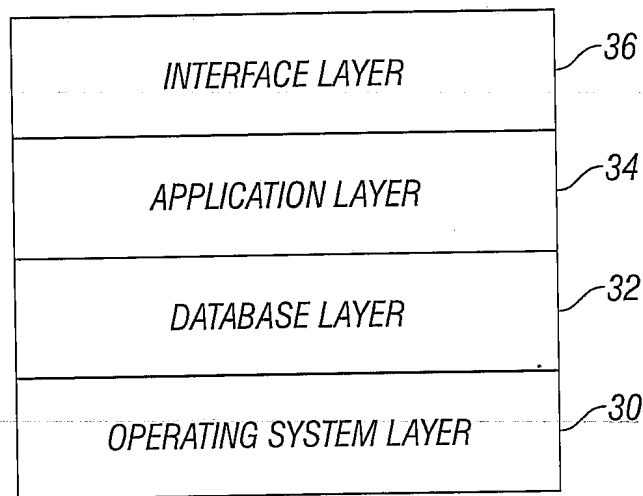


FIG. 2

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COMMERCIAL VEHICLE SYSTEMS
Application Approval Request System

DANA

Customer Login

Log in ID: 48

Password: 50

[Request a log in ID](#)

[Forgot your password?](#)

Problem? E-mail: cvseengineering@dana.com

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FIG. 3

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COMMERCIAL VEHICLE SYSTEMS
Application Approval Request System

If you do not remember your password enter your login ID below. The password will be mailed to your email address that you had specified in the Login Request. If you have any other problems regarding login please [click here](#) to contact the site administrator.

Forgot your password?

Login ID:

Mail Password:

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FIG. 4

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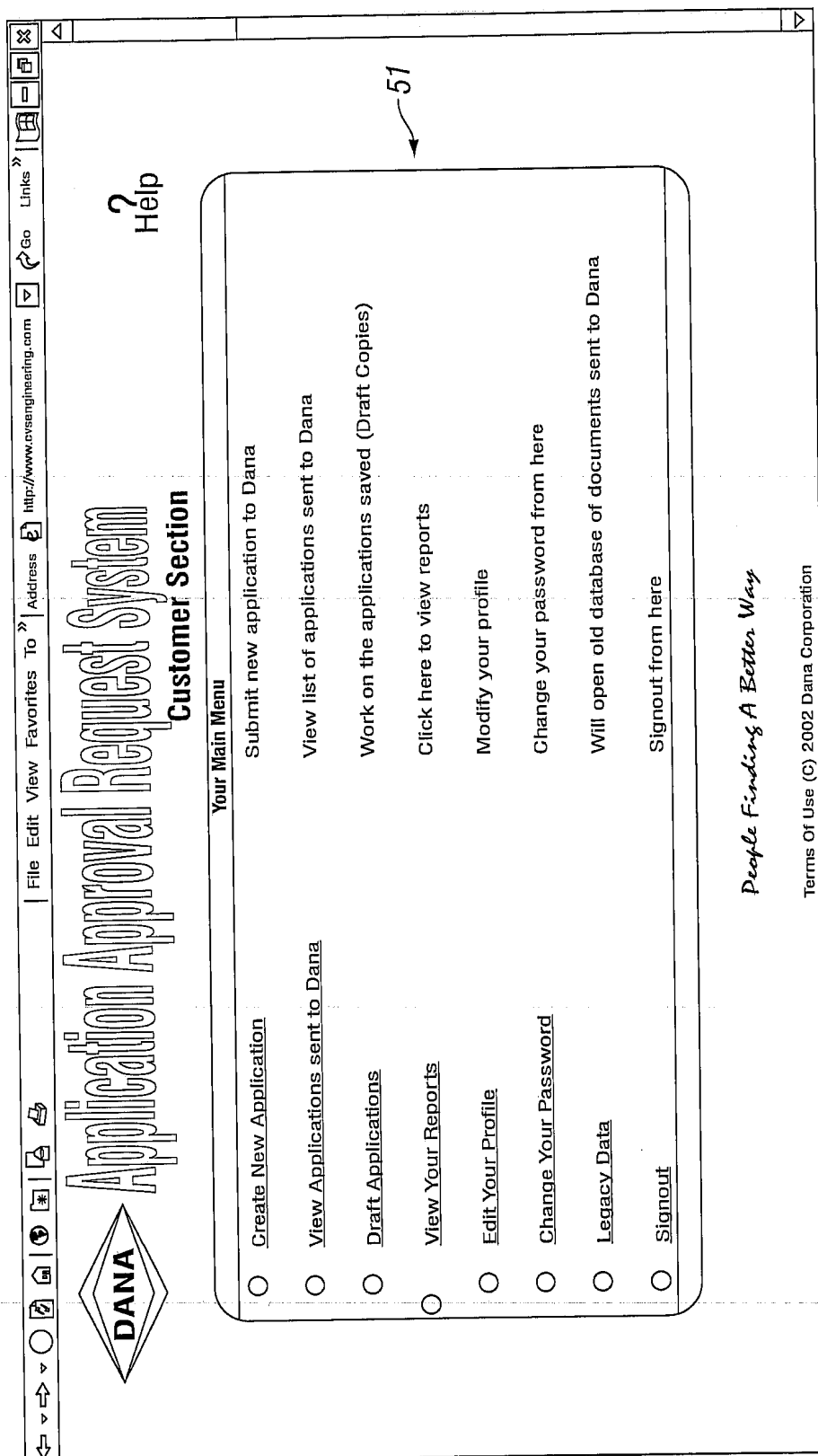


FIG. 5

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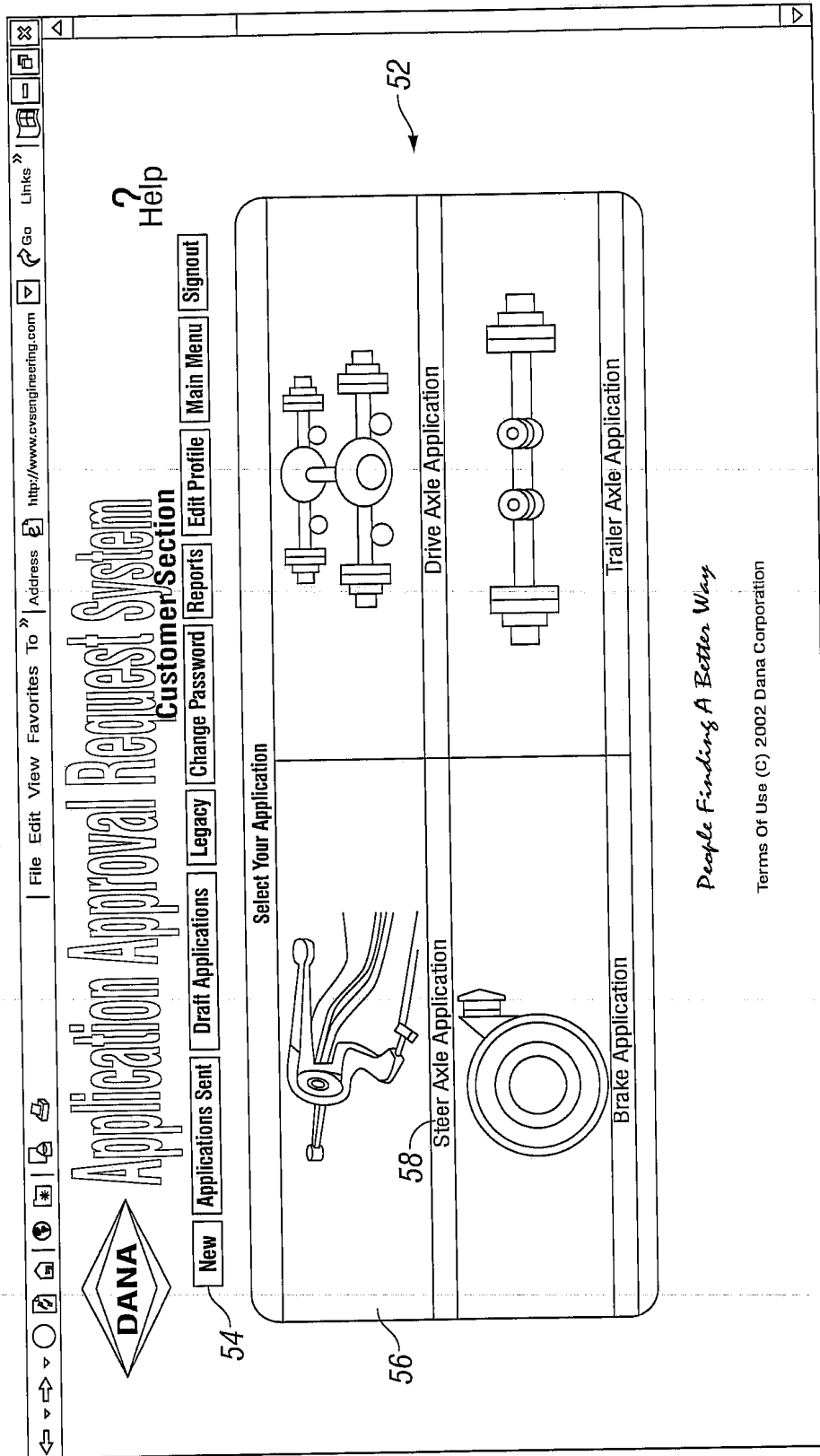


FIG. 6

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Application Approval Request System
 Customer Section

File Edit View Favorites To Address Go Links

http://www.cvsengineering.com

Applications Sent Draft Applications Legacy Change Password Reports Edit Profile Main Menu Signout

Brake Application

66 Proposal Steer Axle Brake Proposal Drive Axle Brake Proposal Aux. Axle Brake
 68 Retarder Steer Axle Tires Drive Axle Tires Auxiliary Axles Tires
 70 Requesters Info Vehicle Info Operating Conditions Weight Distribution Chassis Info

Select: ☐ Metric Units ☒ English Units

* Name: John Smith
 * Submittal Date: Aug 19 2003
 * Phone No: 888 888 8888
 * Email: jsmith@abc.com
 Remarks: (max. 500 chara.)

Save And Next

Clicking on save and next will save the application in the draft list.
 After you have filled in all the tabs you will be prompted to send the application to DANA.

Dana will rely on the information provided by the requester. The approval is null and void if the information supplied by the requester is incorrect or incomplete. The approval will not apply to any deviations from the stated specifications or operations; a separate Application Approval Request form must be submitted for any such deviations.

FIG. 7

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File Edit View Favorites To » Address E) p://www.cvsengineering.com Go Links »

Brake Application

* Gray color indicates filled tabs

66 {

68 {

70 {

Proposal Steer Axle Brake		Proposal Drive Axle Brake		Proposal Aux. Axle Brake	
Retarder	Suspension	Steer Axle Tires	Drive Axle Tires	Auxiliary Axles Tires	Chassis Info
Vehicle Info		Operating Conditions		Weight Distribution	

* OEM: DANA

* Dealer Stock? Yes : ☐ No : ☐

* End User: [Text Box]

* Chassis/Order No: [Text Box]

* Country Domiciled: USA

State of Registration: [Text Box]

Vehicle Model: [Text Box]

* Vocation: [Text Box]

* Vehicle Type: [Text Box]

Commodity Hauled: [Text Box]

* Configuration: [Text Box]

* Drive Steer Axle: Yes : ☐ No : ☐

Axle Ratio: [Text Box]

* Brake Type: ☐ Steer ☐ Drive ☐ Auxiliary

Remarks: (Max. 500 chars.)

72

Other: [Text Box]

Other: [Text Box]

Other: [Text Box]

Other: [Text Box]

Other: [Text Box]

Other: [Text Box]

76

74

62

60

64 {

Save And Next

(Will save and display next tab)

Dana will rely on the information provided by the requester. The approval is null and void if the information supplied by the requester is incorrect or incomplete. The approval will not apply to any deviations from the stated specifications or operations; a separate Application Approval Request form must be submitted for any such deviations.

FIG. 8

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Application Approval Request System

Customer Section

File Edit View Favorites To
Address <http://www.cvsengineering.com>
Go
Links

New
Applications Sent
Draft Applications
Legacy
Change Password
Reports
Edit Profile
Main Menu
Signout

Help

Brake Application

* Gray color Indicates filled tabs

Proposal Steer Axle Brake Retarder	Proposal Drive Axle Brake	Proposal Aux. Axle Brake
Steer Axle Tires	Drive Axle Tires	Auxiliary Axles Tires
Operating Conditions	Weight Distribution	Chassis Info

Proposal Steer Axle Brake
Proposal Drive Axle Brake
Proposal Aux. Axle Brake

Requesters Info
Steer Axle Tires
Drive Axle Tires
Auxiliary Axles Tires

Operating Conditions
Weight Distribution
Chassis Info

* Duty Cycle: Help

* % Operation on Highway: miles Kilometers

Annual Use: mph kph

* Maximum Vehicle Speed: Other:

* Service Brake Performance Requirement: Average Grade: %

Max Grade: Length-Max Grade: miles Kilometers

Remarks:

(Max. 500 chars.)

(Will save and display next tab)

Dana will rely on the information provided by the requester. The approval is null and void if the information supplied by the requester is incorrect or incomplete. The approval will not apply to any deviations from the stated specifications or operations; a separate Application Approval Request form must be submitted for any such deviations.

FIG. 9

FIG. 10

Dana will rely on the information provided by the requester. The approval is null and void if the

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New Applications Sent Draft Applications Legacy Change Password Reports Edit Profile Main Menu Signout

Applications Sent

90 Pending In Review Approved Conditionally Approved Not Approved

List Of Applications sent to DANA (4)					
Application No.	Category	Date Sent	Make New Application	View Engineers Remarks	View Report
AE0006520DA	Drive Axle	82	New	86	88
AE0006303DA	Drive Axle		New	View	View
AE0006275DA	Drive Axle		New	View	View
AE0006250DA	Drive Axle		New	View	View

(If check box is clicked, all applications will be selected) ☐ Select all


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FIG. 11

FIG. 12

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Application Approval Request System

File Edit View Favorites To » Address <http://www.cveengineering.com> Links »

Go

Help

Signout

Main Menu

Edit Profile

Reports

Customer Section

Change Password

Legacy


Draft Applications

Applications Sent

New

Drive Axle Application Report:

OBK:	DANA	Other:	
Vehicle Type:	-Pull Down To Select-	Other:	
Configuration:	-Pull Down To Select-	Other:	
Daily Cycle:	-Pull Down To Select-	Other:	
Engine Manufacturer:	-Pull Down To Select-	Other:	
Engine Model:	-Pull Down To Select-	Other:	
Suspension Manufacturer:	-Pull Down To Select-	Other:	
Chassis No:		Max Grade %:	
Engine Gross Torque:		Engine Gross HP:	hp
Transmission Model:		GVWR:	lbs
GVWR:		Mounting Center:	in
Tire Size:		Static Loaded Radius:	in
Super Single / Dual:	<input type="radio"/> Single <input type="radio"/> Dual	DA Type Reduction:	
Drive Axle Traction Options:		Drive Axle Model:	
Drive Axle Ratio:		End User:	

Find: 

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FIG. 13

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<i>ABC CO.</i>	<i>Agent 1</i>
<i>DEF CO.</i>	<i>Agent 2</i>
<i>GHI CO.</i>	<i>Agent 3</i>
<i>⋮</i>	<i>⋮</i>
<i>XYZ CO.</i>	<i>Agent N</i>

FIG. 14

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Application Approval Request System
 Engineer Section

Help 106

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Section	No. of Applications	View
New Applications Received:	No Applications Available	X
Pending Applications:	No Applications Available	X
Not Approved Applications:	No Applications Available	X
Approved Applications:	No Applications Available	X
Discarded Applications:	No Applications Available	X

Search All Applications:

Enter Search Text: (Company name or Application number)

Search By: ☒ Application No ☐ Company Name

Status: ALL

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FIG. 15

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New

Pending

Not Approved

Approved

Discarded

Edit Profile

Ties

Reports

Search

Signout

Applications Approved

Conditionally Approved

Approved

List Of Applications Approved (502)

Application No	Company	Category	Rec'd On	Approval Date	Accepted By	View Report	Action	Owner	Delete
AE0007417DA	Kenworth	Drive Axle	Jun-26-2003	Jun-26-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007415DA	Kenworth	Drive Axle	Jun-25-2003	Jun-26-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007412 DA	Kenworth	Drive Axle	Jun-25-2003	Jun-26-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007408DA	Kenworth	Drive Axle	Jun-24-2003	Jun-26-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007404DA	Kenworth	Drive Axle	Jun-24-2003	Jun-26-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007403DA	Kenworth	Drive Axle	Jun-24-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007394DA	Kenworth	Drive Axle	Jun-20-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007392DA	Kenworth	Drive Axle	Jun-20-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007391DA	Kenworth	Drive Axle	Jun-20-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007389DA	Kenworth	Drive Axle	Jun-20-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007390DA	Kenworth	Drive Axle	Jun-19-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007384DA	Kenworth	Drive Axle	Jun-19-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007381DA	Kenworth	Drive Axle	Jun-19-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007378DA	Kenworth	Drive Axle	Jun-19-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>
AE0007350SA	Kenworth	Steer Axle	Jun-19-2003	Jun-24-2003	Carl Meyer	View	Extension	✓	<input type="checkbox"/>

FIG. 16

Help?

Engineer Section

New Pending Not Approved Approved Discarded Edit Profile Ties Reports Search Signout

Application No	Company	Category	Engineer	Application Received Date	View	Status
<u>AE0007518DA</u> 124	Freightliner	Drive Axle	Dick Joslin	16-Jul-2003	<u>View</u>	APPROVED 136
<u>AE0007514DA</u>	Freightliner	Drive Axle	Dick Joslin	15-Jul-2003	<u>View</u>	REJECTED 134
<u>AE0007510DA</u>	Freightliner	Drive Axle	Dick Joslin	15-Jul-2003	<u>View</u>	APPROVED
<u>AE0007508DA</u>	Freightliner	Drive Axle	Dick Joslin	15-Jul-2003	<u>View</u>	APPROVED
<u>AE0007506DA</u>	Freightliner	Drive Axle	Dick Joslin	14-Jul-2003	<u>View</u>	APPROVED
<u>AE0007486DA</u>	Freightliner	Drive Axle	Dick Joslin	9-Jul-2003	<u>View</u>	APPROVED
<u>AE0007484DA</u>	Freightliner	Drive Axle	Dick Joslin	8-Jul-2003	<u>View</u>	APPROVED
<u>AE0007475DA</u>	Freightliner	Drive Axle	Dick Joslin	8-Jul-2003	<u>View</u>	APPROVED
<u>AE0007481DA</u>	Freightliner	Drive Axle	Dick Joslin	8-Jul-2003	<u>View</u>	APPROVED
<u>AE0007472DA</u>	Freightliner	Drive Axle	Dick Joslin	7-Jul-2003	<u>View</u>	APPROVED

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Convert To Excel 138

FIG. 17